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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
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08/887,505 07/02/97 KILKUSKIE

R HYZ-040CIP

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HM22/0616

EXAMINER

TAYLOR, J

ART UNIT

PAPER NUMBER

1656

DATE MAILED:

06/16/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
08/887,505

Applicant(s)

Kilkuskle et al.

Examiner

Janell Taylor

Group Art Unit
1656



☒ Responsive to communication(s) filed on May 16, 2000

☒ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11, 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

☒ Claim(s) 1-41 is/are pending in the application

Of the above, claim(s) 35-41 is/are withdrawn from consideration

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-21, 25, and 27-33 is/are rejected.

☒ Claim(s) 22-24, 26, and 34 is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☒ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s) _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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DETAILED ACTION

The following is a reproduction of the Office Action mailed December 21, 1998.

Because the Applicant filed a CPA with no amendment, there are no changes to the Office Action.

Election/Restriction

1. Applicant's election with traverse of Group I, claims 1-31 in Paper No. 9 is acknowledged. The traversal is on the ground(s) that the methods, therapeutic compositions, and kits of the non-elected claims require as a limitation the oligonucleotides recited in the elected claims and, as such, are an integral part of these claims. This is not found persuasive because, as pointed out in the restriction requirement, the oligonucleotides of the elected group can be used in the materially different methods of groups II or III.

The requirement is still deemed proper and is therefore made FINAL. However, upon further consideration, the requirement is modified such that the pharmaceutical compositions of claims 32-34 are included with the elected Group I.

2. Claims 35-41 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention, the requirement having been traversed in Paper No. 9. In the response, cancellation of claims 32-41 was intended; however these claims were not cancelled because the response did not include a formal request for cancellation. In light of the above modified restriction requirement, it is suggested that claims 35-41 be canceled.

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3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Claim Objections

4. Claim 7 is objected to because of the following informalities: There is no SEQ ID number given for one of the sequences listed. Appropriate correction is required.

5.. Claim 34 is objected to under 37 CFR 1.75(c) as being in improper form because it is a multiple dependent claim, but does not refer to claims 32 and 1 or 2 in the alternative only. See MPEP § 608.01(n). Accordingly, the claim has not been further treated on the merits.

Claim Rejections - 35 USC § 112

6. Claims 1, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 25, 27, 28, 29, 30, and 31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims are confusing because it cannot be determined what oligonucleotides are encompassed in the claims. Specifically, it is unclear whether the claimed oligonucleotides require only one

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sequence from either of the two recited groups of SEQ ID Nos, or require a sequence from both recited groups. Clarification is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

6. Claim 1 rejected under 35 U.S.C. 102(e) as being anticipated by Kamada et al. (EP 0469342 A2).

Claim 1 is drawn to a synthetic oligonucleotide complementary to a portion of the 5' untranslated region of Hepatitis C virus having SEQ ID NO 2. Kamada et al. disclose SEQ ID NO: 15 used as a primer to detect Hepatitis C virus. SEQ ID NO: 15 is exactly the same as SEQ ID NO: 2 in the instant application (see pg. 25, SEQ ID NO: 15.)

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Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 2-6, and 25 are rejected under 35 U.S.C. 103(a) as being disclosed by Hogan, et al in US Patent 5,424,413. Hogan discloses a nucleic acid hybridization probe having at least one nucleic acid strand which has at least two separate target specific regions that hybridize to a target nucleic acid sequence. (See Abstract, Drawing 4A).

10. Claims 8-20 and 27,28, and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over .

11. Claims 32-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over .

Conclusion

5. This is a continuation of applicant's earlier application. All claims are drawn to the same invention claimed in the earlier application and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the earlier application.

Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See

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MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Janell Taylor whose telephone number is (703) 305-0273.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, W. Gary Jones, can be reached at (703) 308-1152.

Any inquiries of a general nature relating to this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Papers related to this application may be submitted by facsimile transmission. Papers should be faxed to Group 1634 via the PTO Fax Center using (703) 305-3014 or 305-4227. The

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faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG

(November 15, 1989.)

Janell Taylor

June 14, 2000



KENNETH R. HORLICK
PRIMARY EXAMINER
GROUP 1800 1600

6/14/00

Kenneth R. Horlick, Ph.D.